

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-07-003

This preliminary notification constitutes EARLY notice of events of possible safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by Region II staff (Atlanta, Georgia) on this date.

| <u>Facility</u> | <u>Licensee Emergency Classification</u> |
|--------------------------------|---|
| Brunswick Steam Electric Plant | Notification of Unusual Event |
| Unit 1 | Alert |
| Southport, NC | Site Area Emergency |
| Dockets/License: 050-00325 | General Emergency |
| | X Not Applicable |

Subject: Plant Shutdown Required by Technical Specifications - Brunswick Unit 1

This is an update to a 10 CFR 50.72 report submitted on April 1, 2007, which reported a plant shutdown required by Technical Specification 3.8.1 Condition H due to the inoperability of Diesel Generator 4 lasting longer than seven (7) days. Scheduled preventive maintenance activities for Diesel Generator 4 included replacement of various relays in the Diesel Generator control logic and replacement of the engine governor (mechanical or EGB and electrical or EGA). During post-maintenance operability testing, Diesel Generator 4 exhibited unstable power output while synchronized to the grid. This testing was being performed at the conclusion of the planned Diesel Generator 4 maintenance outage. Troubleshooting indicated that the unstable power output was caused by faulty performance of the mechanical portion of the replacement governor. The licensee performed additional inspections on the original mechanical portion of the governor and has reinstalled the governor on Diesel Generator 4. The licensee's vendor is performing testing of the suspect replacement governor. Adjustments to governor settings are in-progress and post-maintenance testing is being planned. The forced outage is expected to last greater than 72 hours.

Unit 2 continues in scheduled refueling outage.

The facts contained within this PN were verified with James Scarola, Site Vice President. This information is current as of 11:00 a.m. EDT on April 3, 2007.

The state of North Carolina will be informed.

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